

## ABSTRACT OF THE INVENTION

**[0032]** The present invention relates to a digital image capture system that uses modular replaceable image sensor components. The present invention permits a plurality of image sensors with different optical and opto-electronic properties to be used in the same camera body. The digital camera system of the present invention includes a camera body having a digital interface card connector, lens and series of digital interface cards each of which may interconnected to the camera body. Image sensors are positioned on the interface cards such that it when the card is placed in the camera by engaging the connector, the image sensor is aligned to the light from the lens. A microprocessor affixed within camera body is in electrical communication with said connector for receiving and processing image data communicated through said connector from said image sensor. The digital interface cards further comprise an on board memory for storing the sensor specification data to be read by said microprocessor to enable proper imaging processing operations.